

**From:** [Richard Fetzer](#)  
**To:** [Dennis Carney](#); [Ann DiDonato](#)  
**Cc:** [Rich Fetzer](#)  
**Subject:** Re: New data, new names in the response to the 104 data from Cabot  
**Date:** 01/13/2012 09:28 PM

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That. Would be. Good. She called me about the Ex. 6 - Personal Privacy methane issue which Rupert handled, but I got the same email concurrent with you on the Ex. 6 - Personal Privacy situation.

I have task Techlaw to do a data review of the Cabot data, starting with the CO&A homes first. I am hoping to get that under control by next week.

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Richard M. Fetzer  
Federal On-Scene Coordinator  
100 Gypsum Road  
Stroudsburg, PA. 18360  
(570) 402 7108

▼ [Dennis Carney](#)

----- Original Message -----

**From:** Dennis Carney  
**Sent:** 01/13/2012 05:43 PM EST  
**To:** Ann DiDonato  
**Cc:** "Rich Fetzer" <fetzer.richard@epa.gov>  
**Subject:** Re: New data, new names in the response to the 104 data from Cabot  
Ann, thanks for the timely response.

Rich and Ann, there was a little hysteria on this from Karen as she ran around telling Ron we had a 5th home. Then I had Ron in my office. I'll see if I can find a way to tamp that down so future situations get handle in the organized way you guys have established.

Den.

▼ [Ann DiDonato](#)

----- Original Message -----

**From:** Ann DiDonato  
**Sent:** 01/13/2012 03:08 PM ZW3  
**To:** KarenD Johnson  
**Cc:** Dawn Ioven; Dennis Carney; Eric Johnson; Jon Capacasa; Richard Fetzer; Robert Helverson; Victoria Binetti  
**Subject:** Re: New data, new names in the response to the 104 data from Cabot

Cabot is currently supplying water to Ex. 6 - Personal Privacy while they are crafting a treatment system for them. They are supplying both bottled water a WB -

Dawn had looked at the data for them in the table of the rest of the residents - earlier in the week - and noted that the contaminant of concern from the list that was provided would perhaps be the glycols since the detection limit was <10,000 (shown as ND in this well) and that was over the risk level for the protection of children.

Ex. 6 - Personal Privacy

**Ex. 6 - Personal Privacy**

Ann (Breslin) DiDonato  
On-Scene Coordinator  
US EPA Region III - Philadelphia  
Office 215-814-3311  
Cell 215-287-8157

▼ KarenD Johnson---01/13/2012 04:38:37 PM---Thanks Dawn!- I don't know what the source of the DBP's at the [Ex. 6 - Personal Privacy] well would be either, but or

From: KarenD Johnson/R3/USEPA/US  
To: Dawn Ioven/R3/USEPA/US@EPA  
Cc: Ann DiDonato/R3/USEPA/US@EPA, Dennis Carney/R3/USEPA/US@EPA, Eric Johnson/R3/USEPA/US@EPA, Jon Capacasa/R3/USEPA/US@EPA, Richard Fetzer/R3/USEPA/US@EPA, Robert Helverson/R3/USEPA/US@EPA, Victoria Binetti/R3/USEPA/US@EPA  
Date: 01/13/2012 04:38 PM  
Subject: Re: New data, new names in the response to the 104 data from Cabot

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Thanks Dawn!- I don't know what the source of the DBP's at the [Ex. 6 - Personal Privacy] well would be either, but organics in the soil and bromides in the drilling fluids could be interacting, I just don't know where the chlorine would be coming from ....I just wanted to make sure if the [Ex. 6 - Personal Privacy] house had to be added that Denis know sooner than later..So it should be added to make it 5 homes due to the bis(2-chloroethyl)ether at 14 ug/L.

My main concern with the [Ex. 6 - Personal Privacy] home is the methane levels and I have calls into DEP to see if they know where this residence is located. Harrisburg and Meadville offices didn't recognize the name from their data bases so one of the guys from Williamsport who does more field work in that area is checking. Hopefully we'll track him down, otherwise we'll have to call one of the others in the [Ex. 6 - Personal Privacy] family to see...

Thanks for your quick review!

Karen D. Johnson, Chief  
Ground Water & Enforcement Branch

▼ Dawn Ioven---01/13/2012 01:28:12 PM---Hi, Karen. I reviewed the data summarized in your e-mail below. Most noteworthy, the [Ex. 6 - Personal Privacy] samp

From: Dawn Ioven/R3/USEPA/US  
To: KarenD Johnson/R3/USEPA/US  
Cc: Ann DiDonato/R3/USEPA/US@EPA, Dennis Carney/R3/USEPA/US@EPA, Eric Johnson/R3/USEPA/US@EPA, Jon Capacasa/R3/USEPA/US@EPA, Richard Fetzer/R3/USEPA/US@EPA, Robert Helverson/R3/USEPA/US@EPA, Victoria Binetti/R3/USEPA/US@EPA  
Date: 01/13/2012 01:28 PM  
Subject: Re: New data, new names in the response to the 104 data from Cabot

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Hi, Karen. I reviewed the data summarized in your e-mail below. Most noteworthy, the [Ex. 6 - Personal Privacy] sample contained bis(2-chloroethyl)ether at 14 ug/L. This compound is a very potent carcinogen, with a risk-based trigger of 1.2 ug/L (set at an excess cancer risk of 1E-04). At the concentration reported in the [Ex. 6 - Personal Privacy] well (14 ug/L), the excess cancer risk associated with long-term exposure to this water is 1E-03, representing an imminent and substantial endangerment. (Note that this well also contained several trihalomethane products, which are often associated with the disinfection process for public water supplies. Not sure of their origin in this well and, to my knowledge, we haven't seen these compounds in other private wells in the area. At the levels detected, there's no real significance in terms of unacceptable risk, but I just thought I'd point out this finding.)

As an aside, lithium was detected at up to 380 ug/L in the [Ex. 6 - Personal Privacy] well. Based on a provisional non-cancer toxicity value for lithium, drinking water from this well would generate a Hazard Quotient greater than 10; by definition, this also represents an imminent and substantial endangerment. However, like 2-methoxyethanol, at this point, we need to be careful about risk-based decisions for compounds with provisional tox data. (They lack the extremely rigorous peer-review that non-provisional values undergo.) When data gaps are filled in Dimock and HQ weighs-in on supporting these provisional values, then we could re-evaluate.

That's all I saw of significance. If you have any questions, please let me know. You can call me at home, if you'd like [Ex. 6 - Personal Privacy] Thanks.

Dawn

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Dawn A. Ioven, toxicologist  
U.S. EPA - Region III  
(3HS41)  
1650 Arch street  
Philadelphia, PA 19103  
215.814.3320

**New data, new names in the response to the 104 data from Cabot**

**KarenD  
Johnson**

to: Richard Fetzer, Ann DiDonato, Dawn Ioven, Eric  
Johnson, Dennis Carney

01/13/2012  
11:06 AM

Cc: Robert Helverson, Jon Capacasa, Victoria Binetti

Going through the new data submitted and I found several additional chemicals identified and locations from the Test America data just received from well water samples-

Several new names with contaminant levels that may be of concern:

**Ex. 6 - Personal Privacy**

new name not part of DEP order

Methane 34.50 mg/l 9/23/10

Methane 60.40 mg/l 7/22/11

Lithium 182.42 ug/l in 9/10

Lithium 380 ug/l in 7/11

**Ex. 6 - Personal Privacy**

Chlorodibromomethane 3.8 ug/l

Chloroform 7.8 ug/l

propane 13 ug/l

Bis (2-chloroethyl)ether 14 ug/l

Tentatively identified compounds:

1,1-dimethyl-3-chloropropanol 68.3 ug/l

2,3-dichloro-2-methyl-Butane 54.6 ug/l

U 234 1.64 pCi/l

U 238 0.62 (J)

barium 720 ug/l

Total phenols 0.1 mg/l

Total Organic Carbon 1.8 mg/l

six other unknown compounds

**Ex. 6 - Personal Privacy**

Bromodichloromethane 3.8 ug/l

Chlorodibromomethane 5.7 ug/l

**Ex. 6 - Personal Privacy**

Bis (2-ethylhexyl)phthalate 3.2 ug/l  
tributyl phosphate 8.95 ug/l - tentatively identified compound

**Ex. 6 - Personal Privacy**

not part of DEP order and no address  
High in indicators like Fe, Na  
Uranium 234 3.14 pCi/L  
Uranium 238 1.58  
Barium 234 ug/l

**Ex. 6 - Personal Privacy**

Uranium 234- 3.29 pCi/L  
Uranium 238 1.28 pCi/L

**Ex. 6 - Personal Privacy**

previously determined by DEP not to be affected  
First show of effect with higher Fe, Mg and Na  
also Uranium 234 1.9 pCi/l  
uranium 238 0.93 (J)

**Ex. 6 - Personal Privacy**

Uranium 234 2.62  
Uranium 238 1.23 pCi/l

**Ex. 6 - Personal Privacy**

U234= 2.28 pCi/l  
U238= 1.13

**Ex. 6 - Personal Privacy**

U234= 1.2 pCi/L  
U238= 0.78 (J)  
Karen D. Johnson, Chief  
Ground Water & Enforcement Branch